

**IN THE CLAIMS:**

1. (CANCELLED)
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12. (CURRENTLY AMENDED) A process for producing a non-toxic aromatic oil having
- (a) less than one mutogenicity index by Modified Ames Test,
  - (b) minimum of 10% ~~penta chlorophenol~~ pentachlorophenol solubility, and
  - (c) a density between 0.89 – 0.94 g/cc at 60 °F,  
comprising the steps of:
    - (i) pre-blending no more than 80% by weight ~~an a heavy~~ extract from a lube plant in a light distillate; and
    - (ii) hydrotreating such a pre-blend in a standard hydrotreater wherein, a hydrotreating catalyst is selected from the group consisting of Nickel-Molybdenum and Nickel-Cobalt, and said

hydrotreating process is performed at a pressure in the range of 500 - 1500 psi and at a temperature in the range of 500 - 750 °F.